

List of Claims

This listing of claims will replace all prior versions and listings of claims in the instant application:

Claims 1-7. (Canceled)

8. (Currently Amended) A storage and distribution device ~~[[D]]~~ for parts, comprising:
a storage cartridge body ~~(100)~~ having receiving zones ~~(100)~~ for receiving parts storage cartridges ~~(200)~~ with an identification label ~~(240)~~ , wherein the parts storage cartridges are interchangeable in different receiving zones;

at least one mobile distribution head ~~(300)~~ coupled to the body ~~(100)~~, the mobile distribution head ~~(300)~~ having an identification label reading head ~~(320)~~;

distribution tubes ~~(310)~~ coupled to the mobile distribution head ~~(300)~~, each distribution tube ~~(310)~~ having a diameter that corresponds to a diameter of the parts to be distributed; and

wherein the mobile distribution head ~~(300)~~ is configured to position an end of a distribution tube ~~(310)~~ coaxially to an outlet of a storage cartridge ~~(200)~~ identified with the identification label reading head ~~(320)~~ as containing a particular part such that the particular part can be evacuated from the storage cartridge ~~(200)~~ and moved through the distribution tube ~~(310)~~.

9. (Currently Amended) The device ~~[[D]]~~ according to claim 8, wherein the mobile distribution head ~~(300)~~ is associated to a logic structure ~~(400)~~ creating a displacement plane of the mobile distribution head ~~(300)~~ in front of the storage cartridges ~~(200)~~.

10. (Currently Amended) The device ~~[[D]]~~ according to claim 8, wherein according to the diameter of the required part, the mobile distribution head ~~(300)~~ positions an end of a distribution tube ~~(310)~~ of a suitable diameter in front of the outlet of the storage cartridge ~~(200)~~ storing the required parts.

11. (Currently Amended) The device ~~[[D]]~~ according to claim 8, wherein the storage cartridges ~~(200)~~ have a stored part outlet orifice ~~(230)~~, wherein the distribution tubes ~~(310)~~ coupled to the mobile distribution head ~~(300)~~ are positioned parallel to axes of the outlet orifices ~~(230)~~ of the storage cartridges ~~(200)~~; and

wherein the mobile distribution head ~~(300)~~ can move such that the distribution tubes ~~(310)~~ are positioned coaxially to the axes of the outlet orifices ~~(230)~~.

12. (Currently Amended) The device ~~[[D]]~~ according to claim 8, wherein the distribution tubes ~~(310)~~ are moved by means of the mobile distribution head ~~(300)~~ to a position where at least one end of at least one distribution tube ~~(310)~~ communicates with a storage cartridge ~~(200)~~ containing the parts to be distributed.

13. (Currently Amended) The device ~~[[D]]~~ according to claim 8, wherein each storage cartridge ~~(200)~~ is connected to a wait chamber ~~(410)~~ that authorizes the unitary exit of the parts stored in the storage cartridge ~~(200)~~ and with which the mobile distribution head ~~(300)~~ communicates.

14. (Canceled)

15. (Currently Amended) A storage and distribution device ~~[[D]]~~ for parts, comprising:
a plurality of storage cartridges ~~(200)~~ for the parts, the storage cartridges ~~(200)~~ having an identification label ~~(240)~~;

a storage cartridge body ~~(100)~~ equipped with zones ~~(100)~~ for receiving the storage cartridges ~~(200)~~ , wherein the storage cartridges are interchangeable in different zones;

at least one mobile distribution head ~~(300)~~ coupled to the body ~~(100)~~, the mobile distribution head ~~(300)~~ having an identification label reading head ~~(320)~~;

a plurality of distribution tubes ~~(310)~~ coupled to the mobile distribution head ~~(300)~~, the distribution tubes ~~(310)~~ having a storage cartridge connecting end and a dispensing end, and whose diameters correspond to diameters of the parts to be distributed; and

wherein the mobile distribution head ~~(300)~~ is configured to position at least one of the storage cartridge connecting ends of the distribution tubes ~~(310)~~ coaxially with an outlet of a storage cartridge ~~(200)~~ identified with the identification label reading head ~~(320)~~ as containing a particular part with a diameter that corresponds to the diameter of the distribution tube ~~(310)~~, such that the particular part can be evacuated from the storage cartridge ~~(200)~~ and moved through the distribution tube with a transport fluid.

16. (Currently Amended) The device ~~[(D)]~~ according to claim 15, wherein each storage cartridge ~~(200)~~ is connected to a wait chamber ~~(110)~~ that authorizes the unitary exit of the parts the storage cartridge ~~(200)~~ stores and with which the mobile distribution head ~~(300)~~ communicates.